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| L.C.F.B. | |
| 28 JUN 1982 | |
| FILE | <i>Canada</i> |
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| 25th June, 1982 | |

Dr. K.D. Kilburn
KDK/JP/46L

Mr. R.S. Wade,
Imperial Tobacco Limited,
P.O. Box 6500,
Montreal, P.Q.,
CANADA, H3C 3L6.

Dear Bob,

Thank you for your letter of the 14th June, 1982, enclosing Dr. Verner Knott's revised budget request. He has obviously accepted two of the points I put to you - about doing the work with reliable equipment and about being able to go back to the raw data and reinterpret it many years later. However, I still dislike his analogue recording approach and consider it would be preferable for his data to be archived on industry-standard 7-track or 9-track digital magnetic tape which could be copied and stored in a safe place. Digitisation of the input signals would minimise distortion and loss of information. From discussions we have had here, up to 512 readings per second per channel at 10 to 12 bits resolution would seem appropriate and would allow sophisticated data processing.

We know of good no studies of the change in EEG between ages 11 and 16 in a normal population. Adding a second EEG study towards the end of the five-year period might yield valuable information. It might be advantageous to study more than four channels in order to aid interpretation of any changes found.

I would be pleased to see Dr. Knott during my visit this Autumn.

Kindest regards,

Yours sincerely,

KDK

K.D. KILBURN

c.c. Dr. L.C.F. Blackman
Mr. A.L. Heard
Dr. H. Oldman
Dr. R.E. Thornton

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